

**Trade and Industrial Education**  
**Course: Collision Repair: Painting**  
**and Refinishing**  
**Course Code # 5709**  
**3 Credits**

School Year \_\_\_\_\_

Term: \_\_\_ Fall \_\_\_ Spring

Student:	Grade:
Teacher:	School:
Number of Competencies in Course: 35	
Number of Competencies Mastered:	
Percent of Competencies Mastered:	

**STANDARD 1.0: Students will demonstrate leadership, citizenship, and teamwork skills required for success in the school, community, and workplace.**

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
1.1	Demonstrate positive leadership skills in the classroom and community.			
1.2	Participate in SkillsUSA-VICA as an integral part of classroom instruction.			
1.3	Investigate how technology has made an impact on the paint and refinish industry in the past 2 years.			
1.4	Construct a job search network.			

**STANDARD 2.0: Students will demonstrate general painting and refinishing technology safety practices, including Occupational Safety and Health Administration (OSHA) and Environmental Protection Agency (EPA) requirements for a collision repair and refinish - painting and refinishing facility.**

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
2.1	Determine the safe and correct application for chemicals used in a collision repair/painting and refinishing facility.			
2.2	Use protective clothing and safety equipment.			
2.3	Use fire protection equipment.			
2.4	Follow OSHA and EPA regulations affecting collision repair/painting and refinishing technology.			
2.5	Respond to safety communications.			
2.6	Pass with 100 % accuracy a written examination relating to safety issues.			
2.7	Pass with 100% accuracy a performance examination relating to safety.			
2.8	Maintain a portfolio record of written safety examinations and equipment examinations for which the student has passed an operational checkout by the instructor.			

**STANDARD 3.0: Students will apply mathematics and science concepts to collision repair and refinish technology.**

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
3.1	Relate mathematics to painting and refinishing and plastics and adhesives technology.			
3.2	Relate chemical concepts to painting and refinishing and plastics and adhesives technology.			
3.3	Relate physical properties to painting and refinishing and plastics and adhesives technology.			
3.4	Relate physics concepts to painting and refinishing and plastics and adhesives technology.			
3.5	Relate optical concepts to painting and refinishing and plastics and adhesives technology.			

**STANDARD 4.0: Students will follow proper procedures for preparing vehicles for repainting and refinishing.**

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
4.1	Follows safety precautions specific to painting and refinishing technology.			
4.2	Prepares surfaces for painting and refinishing.			

**STANDARD 5.0: Students will properly mix, match, and apply paint and finish and diagnose and correct paint defects.**

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
5.1	Operate spray gun and related equipment.			
5.2	Correctly mix, match, and apply paint and finish.			
5.3	Apply math and science concepts to paint mixing.			
5.4	Complete final details.			
5.5	Diagnose and correct paint defects.			

**STANDARD 6.0:****Students will demonstrate proper procedures for applying plastics and adhesives.**

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
6.1	Prepare for working with plastics and adhesives.			
6.2	Perform repairs involving plastics.			

**STANDARD 7.0: Students will demonstrate communication skills required in the repair and refinish industry.**

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
7.1	Communicate and comprehend oral and written information typically occurring in the automotive collision repair/painting and refinishing workplace.			
7.2	Solve painting and refinishing and plastics and adhesives problems and make decisions using a logical process.			
7.3	Use teamwork skills to accomplish goals, solve problems, and manage conflict within groups.			

**STANDARD 8.0: Students will demonstrate interpersonal and employability skills required in the collision repair and refinish industry.**

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
8.1	Evaluate career goals and establish long-term goals.			
8.2	Demonstrate attitudes conducive to workplace success.			
8.3	Maintain a neat and orderly work area.			
8.4	Assess implications of diversity for communities, workplaces, and manufacturers.			
8.5	Develop personal financial skills.			
8.6	Develop individual time management and work sequencing skills relating to painting and refinishing and adhesives and plastics.			

Additional Comments \_\_\_\_\_